

## ABSTRACT

Transmit power determination section 105  
determines a transmit power value in a communication  
between the own stations that will not interfere with  
5 communications between other stations based on the  
transmit power value in the communications between the  
other stations, SIR measurement section 108 measures an  
SIR of a known reference signal in the reception signal  
and transmission rate determination section 109  
10 determines a transmission rate value that will meet the  
desired communication quality according to the  
determined transmit power value and measured SIR value.

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